



STM32L4P5 Nucleo-144



STM32L4P5ZGT6U 144 PINS

- Arm® Cortex®-M4 core at 120 MHz
- 1024 Kbytes of Flash memory, 320 Kbytes of SRAM
- Two extension types:
 - ST Zio connector including support for ARDUINO® Uno V3
 - ST morpho extension pin header footprints for full access to all STM32 I/Os
- USB OTG or FS device user connectivity
- Embedded ST-LINK/V2-1 debugger/programmer

■ ARDUINO® Uno = A0 to A5 and D0 to D15
 ■ ST Zio = A6 to A8 and D16 to D72



STM32 Nucleo-144 for STM32L4P5 ultra-low-power MCUs

GETTING STARTED

- 1/ Check jumper positions on board, JP1 (PWR-EXT) off, JP6 (Power source) on STLK side, JP5 (IDD) on.
- 2/ Connect the STM32 Nucleo board to a PC with a USB cable Type-A to Micro-B through USB connector CN1 to power the board. Then the green LED LD6 (PWR) and the LED LD4 (COM) light up, the two LEDs LD1 and LD2 are off, the red LED LD3 blinks.
- 3/ Press user button B1 (left button).
- 4/ Observe how the blinking of three LEDs LD1 to LD3 changes according to clicks on button B1.
- 5/ The demo software and several software examples that allow you to use the STM32 Nucleo features are available at www.st.com/en/product/nucleo-l4p5zg
- 6/ Develop your own applications using available examples.

SYSTEM REQUIREMENTS

- Windows® OS (7, 8 and 10), Linux® 64-bit or macOS®
- USB Type-A to Micro-B cable

DEVELOPMENT TOOLCHAINS

- Keil® MDK-ARM¹
- IAR™ EWARM¹
- GCC-based IDEs

1 On Windows® only

EMBEDDED SOFTWARE

STM32CubeL4 MCU Package featuring drivers, RTOS, file system, USB, graphics and examples for this board.



By using or installing (as applicable) this evaluation kit you accept all the terms of the EVALUATION LICENCE AGREEMENT available at: www.st.com/epla



CAN ICES-3(B)/NMB-3(E)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



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